

**Amendments to the Claims:**

1. (Previously Presented) A method of controlling an electronic device, comprising the steps of:
  - detecting brain waves of a user;
  - in response to detecting theta waves from the user, at least one of
  - 5 reducing a volume of sound output by the electronic device, reducing a quality of sound output by the electronic device, reducing a size of an image output by the electronic device, and reducing a quality of an image output by the electronic device;
  - in response to detecting delta waves or a REM state, switching the electronic device to one of off and a hibernation mode of reduced power consumption.
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Previously Presented) A computer program enabling a programmable device to carry out a method as claimed in claim 1, wherein the computer program is stored on a computer readable medium, which when executed by a computer system, carries out the steps claimed in claim 1.
8. (Currently Amended) An electronic device, comprising:
  - a receiver for receiving, from a detector, a detection signal indicative of a state of a user; and
  - a control unit which:

- 5 is able to use the receiver to receive the detection signal  
from the detector,  
determines whether, based on the received detection  
signal, the user is asleep, probably asleep, or awake,  
switches the electronic device to a mode of reduced  
10 power consumption in response to determining that the user is asleep,  
in response to determining that the user is probably  
asleep, ~~controlling~~controls the electronic device to at least one of  
reduce a volume of sound output by the electronic device, reduce a  
quality of sound output by the electronic device, reduce a size of an  
15 image output by the electronic device, and reduce a quality of an  
image output by the electronic device.

9. (Cancelled)

10. (Previously Presented) The electronic device as claimed in claim 8,  
it further including a motion detector.

11. (Previously Presented) The electronic device as claimed in claim 8,  
further including:

an output means which generates at least one of an audio signal and a  
display signal.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) An electronic device including a processor programmed to perform the steps claimed in claim 1.

18. (Previously Presented) The electronic device as claimed in claim 8, further including:

a brainwave detector which measures brainwaves of the user and generates the detection signal based on the detected brainwaves.

19. (Currently Amended) An electronic device comprising:  
a brainwave detector which measures brainwaves of a user of the electronic device and generates a detection signal based on the detected brainwaves;  
a receiver for receiving the detection signal from the brainwave  
5 detector, and

control unit which:

receives the detection signal from the receiver,

determines whether the user is probably asleep by  
identifying from the detection signal a first brainwave pattern that is  
10 indicative of at least one of relaxed with eyes closed, sleepy, already  
sleeping, or in a sleep transition,

determines whether the user is asleep by identifying a  
second brainwave pattern indicative of the user being in a deep sleep  
or REM sleep,

15 in response to determining that the user is probably  
asleep, ~~controlling~~controls the electronic device to at least one of  
~~reducing~~reduce a volume of sound output by the electronic device,  
~~reducing~~reduce a quality of sound output by the electronic device,  
~~reducing~~reduce a size of an image output by the electronic device, and  
20 ~~reducing~~reduce a quality of an image output by the electronic device,  
and

switches the electronic device to a mode of reduced  
power consumption in response to determining that the user is asleep.

20. (Previously Presented) The electronic device as claimed in claim 19, further including:

a motion detector which outputs a second detection signal based on detected motion; and,

5 wherein the control unit determines whether the user is probably asleep based on the brainwave detection signal and the motion detection signal, and determines whether the user is asleep based on both the brainwave detection signal and the motion detection signal.

21. (Previously Presented) The electronic device as claimed in claim 19, wherein the control unit determines whether the user is probably asleep based on whether the brainwave detection signal is indicative of theta or alpha waves and determines whether the user is asleep based on the brainwave detection signal  
5 being indicative of delta waves or REM sleep.

22. (Previously Presented) The electronic device as claimed in claim 8, further including a pressure sensor for generating the detection signal.

23. (Previously Presented) The method as claimed in claim 1, further including:

determining whether movement has been determined for a predetermined period of time;

5 in response to no movement being detected for the predetermined period of time, at least one of reducing a volume of sound output by the electronic device, reducing a quality of sound output by the electronic device, reducing a size of an image output by the electronic device, and reducing a quality of an image output by the electronic device.